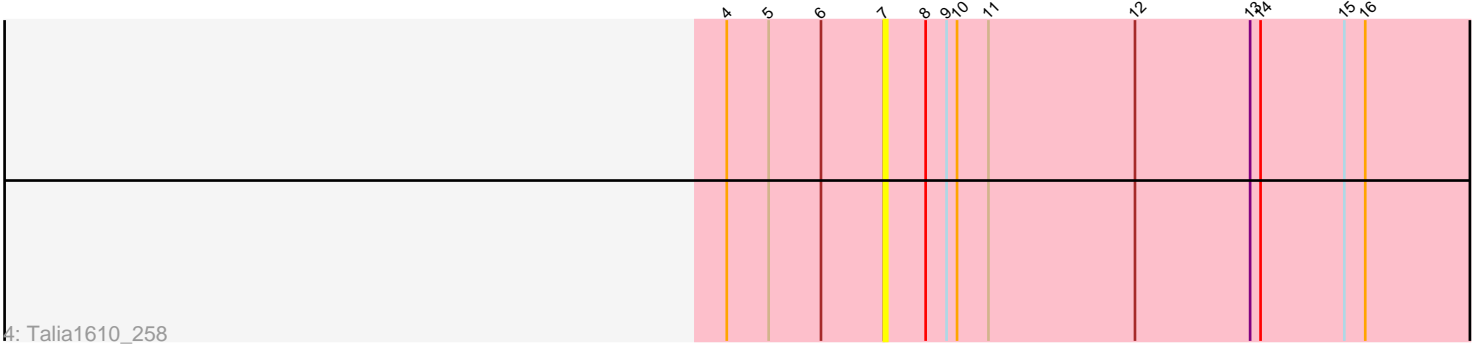
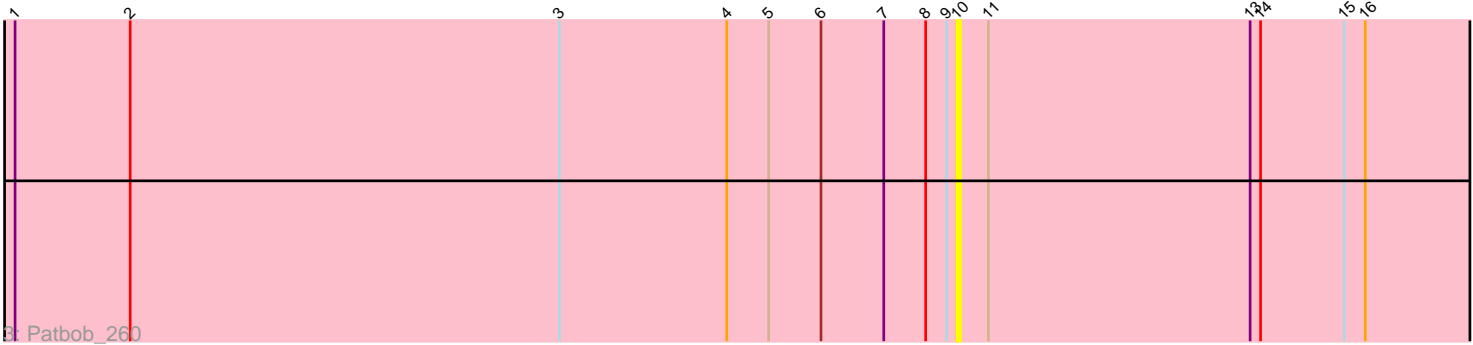
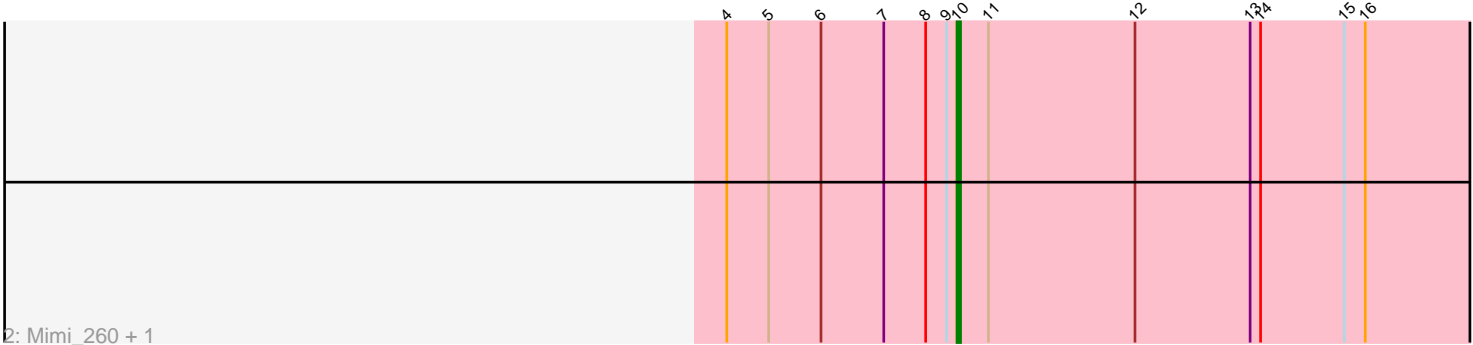
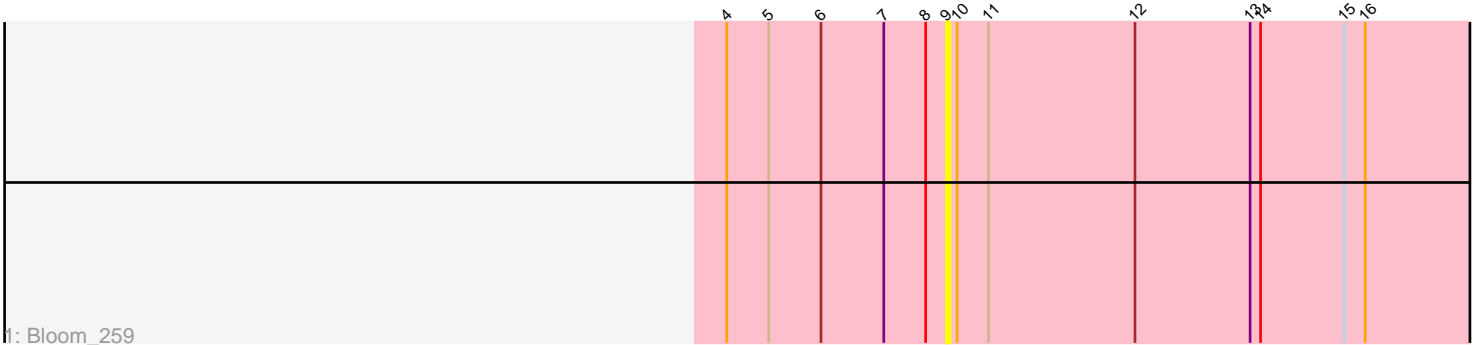


Pham 136317



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 136317 Report

This analysis was run 04/28/24 on database version 559.

Pham number 136317 has 5 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Bloom_259
- Track 2 : Mimi_260, Racecar_257
- Track 3 : Patbob_260
- Track 4 : Talia1610_258

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 10, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Mimi_260, Patbob_260, Racecar_257,

Genes that have the "Most Annotated" start but do not call it:

- Bloom_259, Talia1610_258,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 7:

- Found in 5 of 5 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Talia1610_258 (FC),

Start 9:

- Found in 5 of 5 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Bloom_259 (FC),

Start 10:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 1
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Mimi_260 (FC), Patbob_260 (FC), Racecar_257 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 10 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Bloom_259 Start: 162598, Stop: 162759, Start Num: 9

Candidate Starts for Bloom_259:

(4, 162535), (5, 162547), (6, 162562), (7, 162580), (8, 162592), (9, 162598), (Start: 10 @162601 has 1 MA's), (11, 162610), (12, 162652), (13, 162685), (14, 162688), (15, 162712), (16, 162718),

Gene: Mimi_260 Start: 161976, Stop: 162134, Start Num: 10

Candidate Starts for Mimi_260:

(4, 161910), (5, 161922), (6, 161937), (7, 161955), (8, 161967), (9, 161973), (Start: 10 @161976 has 1 MA's), (11, 161985), (12, 162027), (13, 162060), (14, 162063), (15, 162087), (16, 162093),

Gene: Patbob_260 Start: 164236, Stop: 164394, Start Num: 10

Candidate Starts for Patbob_260:

(1, 163966), (2, 163999), (3, 164122), (4, 164170), (5, 164182), (6, 164197), (7, 164215), (8, 164227), (9, 164233), (Start: 10 @164236 has 1 MA's), (11, 164245), (13, 164320), (14, 164323), (15, 164347), (16, 164353),

Gene: Racecar_257 Start: 162355, Stop: 162513, Start Num: 10

Candidate Starts for Racecar_257:

(4, 162289), (5, 162301), (6, 162316), (7, 162334), (8, 162346), (9, 162352), (Start: 10 @162355 has 1 MA's), (11, 162364), (12, 162406), (13, 162439), (14, 162442), (15, 162466), (16, 162472),

Gene: Talia1610_258 Start: 163928, Stop: 164107, Start Num: 7

Candidate Starts for Talia1610_258:

(4, 163883), (5, 163895), (6, 163910), (7, 163928), (8, 163940), (9, 163946), (Start: 10 @163949 has 1 MA's), (11, 163958), (12, 164000), (13, 164033), (14, 164036), (15, 164060), (16, 164066),